

From: [Lam, Shelly](#)
To: [Anderson, Carmen](#)
Cc: [Lam, Shelly](#)
Subject: RE: Methane Venting
Date: Wednesday, June 11, 2014 7:06:35 AM
Attachments: [image001.png](#)

I'll call you in a few.

Shelly Lam, LPG
Acting Section Chief
Response Section 2
U.S. EPA
2525 N. Shadeland Avenue, Suite 100
Indianapolis, IN 46219
Office: 317-308-3073
Cell: 317-417-0980

From: Anderson, Carmen [mailto:CAnderson@idem.IN.gov]
Sent: Wednesday, June 11, 2014 8:01 AM
To: Lam, Shelly
Subject: RE: Methane Venting

I believe this is a result of Sarah's email on Tuesday which I have attached.

Carmen Anderson
Senior Environmental Manager
Remediation Services Branch
Office of Land Quality
Indiana Department of Environmental Management
100 N. Senate Avenue, IGCN N1101
Indianapolis, IN 46204-2551
canderson@idem.in.gov
(317) 234-2513

From: Lam, Shelly [mailto:lam.shelly@epa.gov]
Sent: Wednesday, June 11, 2014 7:57 AM
To: Anderson, Carmen
Subject: Fw: Methane Venting

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

From: Pam Thevenow <PThevenow@MarionHealth.org>
Sent: Wednesday, June 11, 2014 7:54 AM
To: Lam, Shelly
Cc: Adam Rickert; Jeff Larmore
Subject: FW: Methane Venting

Shelly, FYI on the emails below. We've talked about the methane issue off and on since last November—do you have any opinion about this? I am not sure if an IDEM air permit is required—

what do you think?

Pam Thevenow
Administrator
Marion County Public Health Department
Water Quality & Hazardous Materials Management
3901 Meadows Drive
2nd Floor
Indianapolis, IN 46205
317.221.2266 (office)
317.491-5679 (mobile)
pthevenow@marionhealth.org

From: Vicki Powell
Sent: Tuesday, June 10, 2014 4:17 PM
To: Pam Thevenow
Subject: FW: Methane Venting

Your thoughts?

Vicki Powell
Office Coordinator
Marion County Public Health Department
Dept of Water Quality & Hazardous Materials Management
vpowell@marionhealth.org
Office: 317-221-2266
Fax: 317-221-2288

From: Gordon, Courtney [<mailto:Courtney.Gordon@indy.gov>]
Sent: Tuesday, June 10, 2014 4:10 PM
To: Vicki Powell
Subject: FW: Methane Venting

Hi Vicki,
Please read the email below, per our conversation and let me know your thoughts and/or if any action is required. Thanks,

Courtney Gordon
Battalion Chief-Fire Marshal
Indianapolis Fire Department
Department of Public Safety
300 E. Fall Creek Pkwy N. Drive Suite 500
Indianapolis, Indiana 46205
Phone: 317.327.6097
Fax: 317.327.6072

courtney.gordon@indy.gov

Fire-Police-Homeland Security-Animal Care and Control-EMS-PSC

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From: Pervine, Fred J.
Sent: Tuesday, June 10, 2014 2:34 PM
To: Gordon, Courtney
Cc: 'rjohnson@dhs.in.gov'
Subject: FW: Methane Venting

Chief Gordon, please follow-up on this request, I think we need to touch base with the Health Dept. and any other entity that needs to have input. Thanks!

From: Johnson, Robert [<mailto:RJohnson@dhs.IN.gov>]
Sent: Tuesday, June 10, 2014 2:29 PM
To: Pervine, Fred J.; Gordon, Courtney
Subject: Methane Venting

To whom it may concern @ IFD, We received this email @ the state IDHS from Mr. Breting about methane venting. The state Fire Marshal's Office position is that this is a local issue or even a health or IDEM issue. With that being said, I wanted to push this email forward to local fire having jurisdiction for review. If we can help or questions just let me know.

Thanks,

I work for Mundell and Associates Inc. We are an environmental consulting firm in town. I wanted to check with the State Fire Marshal office to see if you have any approved methods for passively venting methane from the subsurface (without the need of an active engineered system).

We are monitoring the remediation of subsurface soil and groundwater impacts at a couple of properties in town (3800-3801 West Michigan Street) that was associated with a dry cleaner chemical release. The properties in question include an apartment complex and strip mall. Our work is under the regulatory oversight of IDEM.

Methane has been detected at elevated levels in the deep soil above the water table during the course of treating the impacts. Some of the methane is probably natural or related to a nearby sewer, but a component is likely a byproduct associated with our treatment of the impacts. We are monitoring the soil gas levels and when deemed appropriate we pull vapors to off-gas any elevated pockets being detected in our wells. We also have sub-slab mitigation systems in operation in nearby buildings to remove any vapors that collect in the subslab areas.

We are looking to see if we can utilize a passive venting methods in exterior locations of the properties to vent off an methane that is being generated in the ground that would be acceptable to the fire marshal.

The simplest approach we could think of was to simply place vent caps on our wells to allow the vapors in the ground to off-gas at the ground surface (our wells are flush mounts at the ground) and not be allowed to accumulate in the subsurface. Alternatively, we might consider some sort of wind turbine setup that keeps airflow moving from the well head out of the ground. Seeing what we can do within the rules of your department.

Thanks in advance for your time in discussing this matter. Email or phone is fine (I may run out shortly for an errand but will be back by 1pm).

Sincerely, Mark

Mark E. Breting, L.P.G.
Senior Project Geologist
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